

WO 2004/086913

PCT/IB2004/000568

AMENDED CLAIMS

[received by the International Bureau on 21 July 2004 (21.07.2004);  
original claims 1-14 replaced by new claims 1-13 (3 pages)]

Amended) Claims

1) (original) Mechanism for sofa bed and similar products, comprising a number of articulated quadrilaterals and synchronization tools, with at least one lever having an end hinged to the joint (2') between the frame (2), the headrest, and the adjacent frame (3); and characterized by the fact that said mechanism comprises a quadrilateral (16), a quadrilateral (12) and a quadrilateral (17).

2) ( original) Mechanism according to claims 1, characterized by the fact that a first retain elastic mean is interposed between the lever (6) and the lever (1), while between the lever (1) and the fixed structure (7) is interposed a second retain elastic mean.

3) (original) Mechanism according to claim 2, characterized by the fact that said elastic means can also be positioned on the elements bound to elements (6), (2) and (7).

4) (currently amended) Mechanism according to ~~at least one of the claims 1 to 3~~ claim 1, characterized by the fact that said quadrilateral (12) determines the position of the headrest (2) in the bed configuration, being the headrest in vertical position in the sofa configuration.

5) (original) Mechanism according to claim 1, characterized by the fact that the lifting can be obtained by means of two simple quadrilaterals; said quadrilaterals have one end hinged at the fixed structure (7), the other end at the frame (2) and are joined each other by means of a lever, which makes synchronous their motion.

6) (currently amended) Mechanism according to ~~at least one of the claims from 1 to 5~~ claim 1, characterized by the fact that said quadrilateral (16) moves synchronically the rest of the mechanism.

7) (original) Mechanism according to claim 6, characterized by the fact that said quadrilateral (16) comprises a 5-hole lever (6), hinged to the levers (8) and (9), having roto-translative motion.

8) (original) Mechanism according to claim 6, characterized by the fact that said quadrilateral (16) comprises a 4-hole lever (6), directly hinged to the fixed structure (7), with rotatory motion around a point fixed with respect to the fixed structure (7) -

9) (currently amended) Mechanism according to ~~at least one of claims from 1 to 8~~ claim 1, characterized by the fact that said mechanism performs a particular path, which raises the mechanism to a height above the ground that makes the mechanism manageable.

10) (currently amended) Mechanism according to ~~at least one of the claims from 1 to 9~~ claim 1, characterized by the fact that said quadrilateral (17) moves the sliding system of the seat cushions (21).

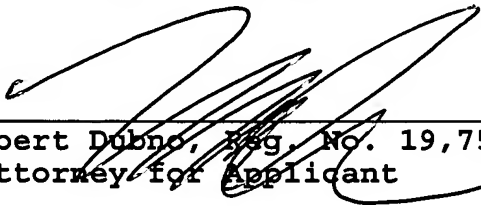
11) (original) Mechanism according to the claim 10, characterized by the fact that said quadrilateral (17) moves the seat cushion (21) by means of only two additional elements (4) and (5).

12) (original) Mechanism according to claim 11, characterized by the fact that said lever (4) has at least three holes, one of them hinges a frame, upon which the seat cushions (21) are placed.

13) (currently amended) Sofa bed comprising an almost parallelepiped frame structure; a number of movable frames, bound together, that move according to roto-translating motions from the close to open position, wherein in the closing position said frames are sequentially folded up, while in the open position, are consecutively aligned, characterized in that it uses a mechanism according to ~~at least one of the previous claims~~ claim 1.

This preliminary amendment is submitted to provide the cross reference of the present US phase of PCT/IB2004/000568 to the international application according to Rule 78, and to eliminate the multiple dependencies in the claims.

Respectfully submitted,  
The Firm of Karl F. Ross P.C.



---

By: Herbert Dobno, Reg. No. 19,752  
Attorney for Applicant

14 September 2005  
5676 Riverdale Avenue Box 900  
Bronx, NY 10471-0900  
Cust. No.: 535  
Tel: (718) 884-6600  
Fax: (718) 601-1099

rg